Powered Personal Transportation

Electric Power Board

Product Handbook

FOR THE BLADEZ
ELECTRIC POWER BOARD

Models: PB-SM804SA
PB-SM804SB
PB-SM806
PB-SM807
PB-SM808

PLEASE BE SAFE WHEN RIDING . . .
ALWAYS WEAR A HELMET AND OBEY ALL LAWS!

IMPORTANT

PLEASE READ THIS BEFORE USING THIS PRODUCT

READ THIS FIRST!

⚠ WARNING

This product does not conform to Federal Motor Vehicle Standards and is not intended for operation on public streets, roads, or highways. Serious injury can result from the unsafe operation of this product. Operator can minimize these risks by using certain safety equipment such as: safety helmet, goggles, gloves, elbow and kneepads, and appropriate footwear.

DO NOT operate this product in traffic, on wet, frozen, oily or unpaved surfaces or under the influence of drugs and/or alcohol. Avoid uneven surfaces, potholes, surface cracks, and obstacles.

DO NOT use a water hose to clean this product. See Product Handbook for more information.

This product is recommended for riders 16 YEARS OF AGE and older.

SAFETY

⚠ Persons without excellent vision, balance, coordination, reflexes, muscle and bone strength and good decision-making capabilities should not use this product.

⚠ Pregnant persons should not use this product.

⚠ Operator only! This product is not designed to carry passengers. Doing so will create a hazardous situation. Never attempt to tow or pull anything with this product.

⚠ Any individual should never operate this product until they have completely read and understood the contents of the owner's manual.

⚠ High speeds, jumps and trick manoeuvres are dangerous and could result in loss of control and accidents.

⚠ Use caution when exiting driveways or from between parked cars.

SAFETY (Cont.)

⚠ Stop at all signs, or controlled intersections.

⚠ Never ride on pedestrian sidewalks.

⚠ Being seen is very important. Brightly colored clothing and safety gear can increase visibility.

⚠ Familiarize your self with the Power Board. Take turns slowly and provide plenty of stopping distance. Ride very cautiously until you become familiar with the handling of the Power Board.

⚠ Stand firm but relaxed. Keep weight between the wheels. Don't stand too close to the front or lean too far back. Shift your weight to the rear when applying brakes, and lean toward the front when accelerating. Keep feet apart for more stability.

⚠ Learn to adjust your center of gravity to maintain stability. Practice this at a safe speed until you are comfortable with this action.

⚠ Be aware of everything around you when you ride. Hazards vary by area. Ride in areas that you know well until you are comfortable with operation.

⚠ Consider noise while you are riding, as it may dilute your ability to hear hazards, such as automobiles. Do not wear headphones while operating a Power Board.

⚠ Minors without adult supervision should not use this product.

⚠ Persons unwilling or unable to take responsibility for their own actions should not use this product.

⚠ The user of this product assumes ALL risks associated with its use. To minimize these RISKS, the user must wear safety helmet, goggles, gloves, elbow and knee-pads and appropriate footwear.

⚠ <u>This product is ELECTRIC!</u> DO NOT Ride this product in wet conditions, puddles or rainy weather.

⚠ This product is not intended for extreme or off-road use. Do not jump or abuse this product. Failure to follow these instructions may cause serious injury and will void warranty coverage.

If you have any questions, please contact Bladez customer service **(866) 325-2339** or visit us on the web at www.ebladez.com

DO NOT TAKE YOUR BLADEZ POWER BOARD BACK TO THE STORE! CONTACT US FIRST

IF YOU HAVE ANY QUESTIONS OR NEED ASSISTANCE, PLEASE CALL BLADEZ, TOLL FREE AT:

(866) EBLADEZ
(866) 325-2339

MONDAY thru FRIDAY, 8am to 5pm PST
or visit us on the web at:
www.ebladez.com

NETWORK OF BLADEZ AND TANAKA SERVICING DEALERS

FOR ALL YOUR POWER BOARD NEEDS

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GETTING TO KNOW YOUR BLADEZ POWER BOARD

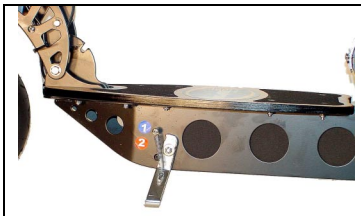
Before operating your BLADEZ Power Board, please get acquainted with all of the features:

1. Accelerator Lever
2. Brake Lever
3. Folding Handle
4. Disc Brake
5. Kick Stand
6. Charging Plug*
7. 24 V, 450 W Electric Motor
8. Mud Guard
9. 24V, 24AH Batteries
10. AC Charger
11. Charger Cord
12. Seat Clamp
13. Seat Pin
14. Allen Wrench
15. Seat
16. Seat Post
17. Base Post
18. Power Panel *
19. On/Off Switch *

* Location of On/Off switch and Power Panel varies by model. See Page 7 for details.

Power Management

This product handbook covers several different models. Take the time to familiarize yourself with the details of your model, and it will increase performance and efficiency.

	**Model PB-SM804S** – This model does not use an on/off switch or Power Panel. The unit has a Smart-Power feature that will shut the unit off after approximately ten minutes of no use. The unit will not function with the kick-stand in the down position. To activate the unit, simply raise the kick-stand, and it's ready for use. The female charge plug is on the right side of the board underneath the deck.
	Model PB-SM804SA – This model has a master electrical switch located on the frame near the kick-stand. This switch overrides all electrical function, and must be turned to the on position for operation. The unit will shut-off automatically after approximately ten minutes, and the switch requires being turned off and on again to re-set for use. Additionally, the unit will not function with the kick-stand in the down position. The female charge plug is on the right side of the board underneath the deck.
	Model PB-SM806 – This model has a master on/off switch located on the steering column console. This switch overrides all electrical function, and must be turned to the on position for operation. The unit will shut-off automatically after approximately ten minutes, and the switch requires being turned off and on again to re-set for use. The female charge plug is on the right side of the board underneath the deck.
	Model PB-SM807 – This model has a master on/off switch located on the frame console near the folding handle. This switch overrides all electrical function, and must be turned to the on position for operation. The unit will shut-off automatically after approximately ten minutes, and the switch requires being turned off and on again to re-set for use. The charge plug is located on the frame console.
	Model PB-SM808 – This model has a master on/off switch located on the frame console near the folding handle. This switch overrides all electrical function, and must be turned to the on position for operation. The unit will shut-off automatically after approximately ten minutes, and the switch requires being turned off and on again to re-set for use. The charge plug is located on the frame console.

GETTING STARTED

Before Using your Power Board

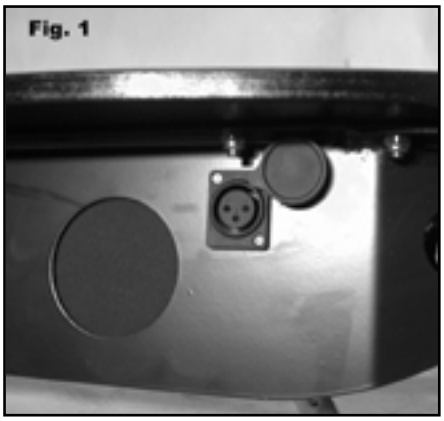
Your Power Board may come charged out of the box. Bladez still recommends charging the unit for 6-8 hours prior to first use!

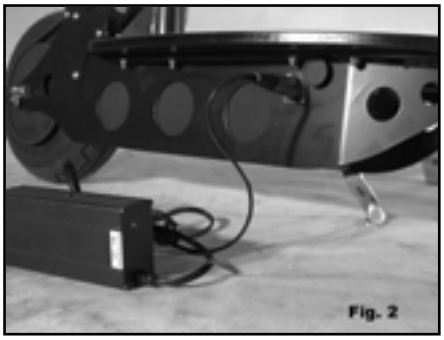
Charging Your Power Board

WARNING!

- ⚠ Prevent fire. Never modify the electrical system. Alterations could cause a fire resulting in serious injury and could also ruin the electrical system.
- ⚠ Use of the wrong type of battery or charger could cause a fire or explosion resulting in serious injury.
- ⚠ The batteries must be handled by adults only. The batteries are heavy and contain sulphuric acid. Dropping the battery could result in serious injury.
- ⚠ The charger is not a toy. Never allow children to charge batteries. Battery charging must be done by adults only. The electricity involved in charging the batteries could injure a child.
- ⚠ Use the charger in dry locations only.
- ⚠ If your battery is old and will not accept a charge, do not leave it in the Power Board. Always remove a dead battery from the unit.
- ⚠ Examine the charger and it connections for excessive wear or damage each time you change the batteries. If damage or excessive wear is detected, do not use the charger until you have replaced the worn or damaged part.
- ⚠ Your battery will completely re-charge in 6-8 hours. Never leave the charger plugged in for more than 24 hours.

Charging Instructions





1. Carefully remove the Power Board from the box.
2. Make sure the unit is turned OFF, (If equipped with on/off switch).
3. Open the charging plug by rotating the safety cover counter clockwise (Fig. 1).
4. Locate the AC CHARGER and plug it into wall. Insert the charger (the end with the 3 prongs inside of it) into the charging plug. A red light will come on the Charger (Fig. 2). Your Power Board is now charging.
5. When the charge is complete, the light on the Charger will turn GREEN, your Bladez Power Board is now fully charged!

Note: If the light turns green right away, this is because the unit was charged at the factory. Please continue charging for 6-8 hours prior to initial use.

6. Remove the charger from the charger plug and close the safety cap.

IMPORTANT

Tips For Extending Battery Life

1. You **MUST** charge completely prior to initial use. Charge completely before storage, and approximately every 30 days if not in use.
2. Charge immediately after every use.
3. **DO NOT** allow your unit to discharge completely if possible. Recharging when batteries are still at partial capacity helps to extend battery life.
4. For safety purposes, **DO NOT** charge for over 24 hours.
5. Turn the unit **OFF** when not in use.

Folding Handle Set-Up Instructions

To unfold the Power Board, begin by pressing down on the FOLDING HANDLE with one hand (Fig. 3), while gently pulling up on the handlebars with the other (Fig. 4).

Fig. 3

Fig. 4

Fig. 5

Fully extend the handlebars to their upright position until you feel the mechanism lock into place (Fig. 5).

When you first take the Power Board out of the box, the BRAKE LEVER and ACCELERATOR LEVER will be in the down position for shipping. Using the provided Allen Wrench, loosen the tension bolt, and adjust the levers to a comfortable position (Fig. 6). Then tighten the bolt.
* BE CAREFUL NOT TO DISCONNECT THE CABLES!
You are now ready to ride your Power Board!

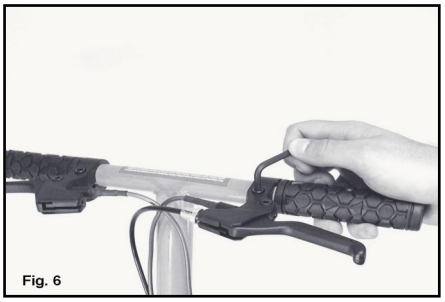


Fig. 6

Installing the (Optional) Seat:

Your Power Board may have come with an optional Seat Attachment.

Insert the Base Post firmly into the Base Bracket. Make sure the tube guides slide into the base grooves.

Slide the Seat Pin through Base Bracket to secure the Base Post (Fig. 7).

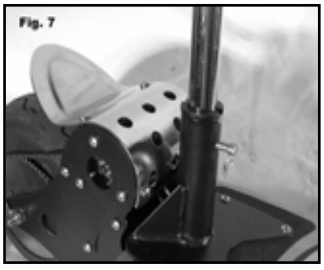


Fig. 7

Slide the Seat Clamp over the Base Post.

Slide the Seat Post into the Base Post and align into the position (Fig. 8). Adjust to desired height.

Tighten and close the Seat Clamp.

Fig. 8

Riding

Make sure that all of the bolts and screws are tightened.

Flip the switch on the Power Panel (if equipped – see page 7 for details), into ON position. A red light will come on indicating the unit is turned on.

NOTE: If the unit is the ON position for over 10 minutes without moving, Smart Power will shut itself OFF. To reset, turn the unit OFF, wait a few seconds and then switch it back ON again.

Put one foot on the deck of the Power Board. While pushing off with the other foot, gently squeeze the ACCELERATOR LEVER, on the right side of the handlebars. The Power Board will begin to move on its own power.

Control your speed by pressing and releasing the accelerator lever. You do not need to constantly hold down the accelerator, but can rather use small bursts of power to control speed and maximize battery life.

To stop, release the accelerator handle and depress the BRAKE LEVER (on the left side of the handlebars). Depressing the brake will disengage power to the motor.

When the unit feels like it is losing power, or not accelerating to full speed you are ready to RECHARGE.

***NOTE:** At this time, there is still charge in the battery but it is not advisable to fully discharge the batteries.

FOLDING AND STORAGE

When you are done riding the Power Board you can fold it down for compact storage, carrying and transportation. Make sure the POWER SWITCH is in the OFF position.

Always charge your Power Board fully prior to storage!

To fold down the Power Board, use one hand to push down on the FOLDING HANDLE, while using the other to gently push down on the handlebars. BE CAREFUL NOT TO HIT YOUR HEAD WITH THE HANDLEBAR. Push down until you feel the mechanism lock into place.

You can now carry the Power Board by the handlebar tube.

RECOMMENDED TOOLS

To adjust and maintain the Bladez Power Board you will need the following tools:

Allen Keys: 3/4/5/6mm.
Wrenches: 10/13/16 mm Open and ring combination.
Large Adjustable Crescent Wrench
Philips Head Screwdriver
Oil, Grease or Lubricant (such as WD-40)

BRAKING SYSTEM

The Power Board uses a front wheel disc/calliper system activated by a hand lever (on the left side of the handlebar). The brake is activated by squeezing the BRAKE LEVER with your left hand. The Power Board is equipped with a controller that temporarily disengages the power to the motor when the BRAKE LEVER is depressed.

Practice braking on a smooth, dry surface to get used to the feel of the braking system. Braking distance is affected by wet conditions and loose and uneven riding surfaces.

Adjusting the Brakes

The Brakes on the Power Board should come fully adjusted from the factory. However, it may be necessary to adjust the brake from time to time.

Fig. 9

To adjust the brakes:

1. Loosen the tension screw on the Brake Lever by rotating it counter-clockwise until the wheel spins freely.

For further adjustment:

2. With one hand, depress the brake calliper using your thumb and forefinger. (Fig. 9)
3. With the other hand, adjust the tension screw on the brake line.
    a. Turn the tension screw clockwise to loosen the brake.
    b. Turn the tension screw counter-clockwise to tighten the brake.

Squeaky Brakes

The brakes may squeak before they are broken in. This is normal and will not affect the function or performance of the brakes. With continued use, the squeak should go away.

TIRES AND WHEELS

The Bladez Power Board uses an identical rim and tires assembly on the front and rear wheels, which means that the tires can be rotated. The wheels are actually two wheel halves (split rim) bolted together to make it easier to remove and replace the tire.

The rear wheel is fitted with a special spacer to accommodate the sprockets, while the front wheel has a bracket for the disc brake.

Tire wear will differ based on rider weight, riding conditions and care.

Tire Pressure

The tire must be inflated to a maximum of **60 P.S.I.**. It is also recommended to use a tube additive like **Slime** purchasable from any motorcycle shop, to avoid inconvenient punctures.

⚠ **Caution:** Completely deflate tire prior to disassembly of wheel as the split rim is under considerable pressure while tire is inflated.

ADJUSTING THE HEAD UNIT

The head unit will should come adjusted from the factory. However, riding on rough terrain and general use may cause the head unit to become loose over time. It may be necessary to adjust the head unit from time to time.

To adjust the head unit:

1. Rotate the handle bar as far right as it will go to expose the HEAD UNIT (Fig. 10).
2. The head unit bearings are held in place by two 40mm nuts on the underside. These nuts are separated by a spacer. The top nut provides the adjustment, while the lower nut is a jamb-nut intended to hold the adjustment nut in place.
3. Loosen the lower nut 3-4 turns.
4. Tighten the top adjuster nut to the desired amount, and the re-tighten the lower jamb-nut.

⚠ DO NOT over tighten as it will make it difficult to steer and may damage the bearings.

CHAIN CARE

Proper chain care will increase the life and improve performance of your Power Board. Always keep the chain lubricated and tightened to proper tension.

Lubrication

Always keep the chains lubricated with a good chain spray or grease (not chain wax). If the chains are allowed to run dry for a prolonged period they will fail, and the life of the chain is severely shortened.

Chain Adjustment

The chain on the Power Board should be adjusted from time to time. The chain should be tight enough not to skip, but have a little bit of play. If you feel your chain skipping or make a popping noise, adjust the tension immediately.

Fig. 11

Fig. 12

For regular adjustments:

1. Using a 16mm wrench, loosen the axle bolts on each side of the rear wheel (Fig. 11).
2. While the axle bolts are loose, using a 10mm wrench loosen the tension bolts behind the rear wheel of the Power Board and move the rear wheel backwards to remove the slack for the chain (fig. 12).
3. Once this is achieved the wheel nuts must then be relocked into position and wheel alignment must be checked (while turning the wheel, visually check that the clearance between the wheel and the frame parts have clearance).

***Note: Chains that are run excessively dry or loose can result in sprocket teeth being severely damaged.**

Troubleshooting Guide

The following guide will help assist you in identifying and correction common problems with your XTR-S:

Symptoms	***Potential Causes***	***Solutions***
The charger light turns green right away.	This is indicates the batteries are adequately charged. Most units come charged in the box.	No action needed.
When charger is plugged in, red light continually blinks.	Unit has gone into deep discharge, and charger requires time to identify battery status.	Leave charger plugged in and attached for 60 minutes. The charger light should turn solid red, and charge as normal.
Batteries do not hold a charge. Unit does not have specified travel range.	Batteries have reached the end of their useful life. Charger is malfunctioning.	Replace batteries. Replace charger unit.
Unit moves intermittently, or very slow.	Batteries not fully charged. Throttle cable is loose.	Charge batteries. Tighten cable.
Unit will not move when throttle lever is activated.	Throttle cable is loose. Batteries not fully charged. Batteries have reached the end of their useful life.	Tighten cable. Charge batteries. Replace batteries.
Unit stops abruptly during use.	Circuit breaker has “tripped”.	Allow electric motor to cool and re-set circuit breaker by lowering and raising the kickstand lever, or turning power switch on and off, (see page 7).

OTHER QUESTIONS

Where can get replacement and aftermarket parts?

From your local Servicing Dealer of over the web at:

www.ebladez.com

For additional questions, service instruction, further information and important phone numbers:

Go to the Bladez website at www.ebladez.com.

Or

Contact Bladez Customer Service Department at (866) 325-2339 x 1

Thank you for purchasing a Bladez Power Board and please tell your friends about how much fun you had on the Bladez Power Board.

www.ebladez.com

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